

## **Anacostia Gateway Transportation Study Scope of Work December 2002**

### **Problem Statement**

The Anacostia Gateway and surrounding neighborhoods are experiencing new investments that will significantly expand the residential and commercial activities within the neighborhood. The Anacostia Gateway Corridor will experience new development, including a proposed Government Center to house District employees that will increase existing transportation needs regarding automobiles, pedestrians, bicycles, and transit services within the neighborhood. Old Anacostia is an historic district and is home to a national historical site, the Frederick Douglas Home. The home was the final residence of Frederick Douglass, considered one of America's most celebrated forefathers. The area around the site should be enhanced and preserved. Its immediate community should reflect its presence.

The Consultant will develop a multi-modal transportation design and management plan that will focus on preserving, strengthening or creating a vibrant diversified residential and commercial neighborhood, while at the same time, improving the efficiency of movement of all modes of transportation through the neighborhood as part of a city and regional transportation system. The District Department of Transportation (DDOT) seeks a study that will recommend balanced physical design and management strategies that encourage the efficient and safe movement of all users and achieve the following goals:

- Reinforces and/or defines the sense of place and uniqueness of the Anacostia Gateway/Community.
- Recognizes the role of the roadways, transit linkages, and bike and pedestrian pathways within the study area as an integral component in the overall city and regional transportation system and maintains or improves their function and efficiency as a part of the system;
- Investigates and balances safe and efficient pedestrian, bicycle, transit, and auto movement through and within the neighborhood center;
- Establishes a flexible, demand-management based parking strategy and implementation plan that supports both new and existing retail and residential uses;
- Explicitly encourages the use of transit and enhances transit efficiency, and;
- Creates a safe, inviting, and interesting public realm that supports a diversity of uses and activities.

### **Study Area**

The study area boundaries include: Interstate 295 from the 11<sup>th</sup> Street Bridge Crossings to Howard Road and the Suitland Parkway Exits; Martin Luther King Jr. Ave from Good Hope Road to Howard Road; Howard Road from Martin Luther King Jr. Avenue to Firth Sterling Avenue; 16<sup>th</sup> Street from Good Hope Road to Bangor Street; Bangor Street from 16<sup>th</sup> Street

to Morris Road and Morris Road from Bangor Street to Martin Luther King Jr. Avenue S.E. This study will also encompass proposed construction and expansion plans for the 11<sup>th</sup> Street Bridge Crossings.

## **Definition of Work**

The contractor will develop a multi-modal transportation design and management plan over a period of twenty weeks that will focus on strengthening or creating a vibrant commercial and residential neighborhood. The contractor will examine the existing transportation conditions and work towards improving the efficiency of movement of all modes of transportation through the study area. The contractor will investigate safe and efficient pedestrian, bicycle, transit, and auto movement by recognizing the role of roadways and transit linkages, bike and pedestrian pathways within the study area as part of city and regional transportation system. The contractor will investigate both on-street and off-street parking in the study area and establish a flexible, demand-management based parking strategy and implementation plan. The contractor will also examine and make recommendations to improve transit, bicycle and pedestrian transportation services in the study area. The contractor will investigate current and future needs regarding vehicle, pedestrian and bicycle mobility, taking into account the impact of the proposed new developments, truck movements and safety. The contractor shall work in close coordination with community stakeholders in addressing their traffic and safety concerns. The contractor shall investigate and give recommendations on the impact of new development for the next ten to twenty years.

The contractor shall prepare a draft study scope of work, project schedule and proposed budget and submit these documents to the DDOT project manager at the end of week #1 after receiving a notice to proceed.

## **Description of Work to be Performed**

### **Task 1: Scoping Meeting**

The contractor shall develop a meaningful community participation process that will consist of a series of public meetings with residents, Advisory Neighborhood Commissions (ANC) 8A, 8B, 8C, 8D, 8E, Ward 8 Council member Sandy Allen, non-profit organizations and all community stakeholders in the Anacostia study area including the Anacostia Economic Development Corporation (AEDC). The purpose of this public participation process shall be to obtain input for development of the traffic management concept designs. The public participation process shall consist of public meetings, a project website, meeting notices, pamphlets, graphics and other mechanisms to communicate project information and obtain community comment. The consultants shall schedule a minimum of (4) four public meetings. The first public meeting will be held to discuss the proposed scope of work and schedule for the transportation study, and receive public comment. The contractor shall conduct this meeting in the second week of the study. The aim of this meeting will be to announce the project to the neighborhood, outline the projected timeframe for the study and introduce the contractor to community stakeholders. This meeting will also allow for community input in

refining the study scope of work. The contractor shall develop data that will outline the impact of new development on the study area for a ten to twenty years.

The second public meeting will occur after Task 2 – Collection and Consolidation of Data, and provide the community with an opportunity to comment on the data collection phase and discuss preliminary Short Term and Long Term Options.

The third public meeting will be held after Task 6 is completed – Draft Report, where the community can comment on the draft report findings and recommendations.

A final public meeting will be held following the preparation of the Final Report. This meeting will allow for a presentation of the final report's findings and recommendations.

With the assistance of the Department of Transportation and the Office of Planning, the Contractor shall develop a project contact/ mailing list of parties within the study area and other interested parties. The contractor shall also post study information on the DDOT web site. Notice of public meetings shall be provided through DDOT's project web site, as well as placed in local community newspapers and mailings to key community and business groups. All public meetings will be held in Anacostia.

Task #1 to be completed by the end of Week 2

## **Task 2: Collect and Consolidate Data**

The contractor will collect data on the following elements:

- Existing traffic volumes and level of service for roadway segments within the study area. This includes mapping, aerial photography, historical research and other materials available from the DC Office of Planning, the National Capital Revitalization Corporation (NCRC), District Department of Transportation (DDOT) Traffic Services Administration and Transportation Policy and Planning, State Historic Preservation Office and other District and Federal government agencies.
- Impact of new development on the study area for the next ten to twenty years.
- Review traffic information and recommendations included in the proposed Anacostia Economic Development Streetscape Enhancement Project.
- Field reconnaissance of the study area noting existing land uses, existing roadway geometric and traffic control conditions, traffic flow patterns, transit facilities and services, pedestrian facilities, bicycle facilities (if any), as well as opportunities and constraints pertaining to access from the intersecting side streets and driveways.
- Collect land use and transportation information from existing reports on proposed future development projects in Anacostia neighborhood in the District of Columbia; including number of proposed residences, square footage of commercial and office space, number of proposed parking spaces, and projected vehicle trips per day. The contractor shall review existing traffic management plans prepared by project proponents and prepare an independent analysis of the impact of these various proposed future development projects on the existing transportation infrastructure.

- The consultant shall work with the community to determine how managing parking will achieve community goals through Parking Demand Management.
- Collect data and examine the impacts on the 11<sup>th</sup> Street Bridge ramps reconstruction plans to the Anacostia Study area.
- A determination of future light rail alignment and locations and designs for future rail stops.
- Recommendations for proposed streetscape design based on conceptual plans provided by the Anacostia Economical Development Corporation (AEDC).
- Identify turning motions at key intersections during the morning peak period and the afternoon peak period on typical weekdays. These key intersections should include, ten (10) locations selected from the following list of intersections:
  1. MLK Ave. and Good Hope Rd.
  2. MLK Ave. and V St.(west)
  3. MLK Ave. and W St. (east)
  4. MLK Ave. and W Street (west)
  5. MLK Ave. and Maple view Pl.
  6. MLK Ave. and Morris Rd.
  7. MLK Ave. and Talbert St.
  8. MLK Ave. and Howard Rd.
  9. Howard Rd. and Firth Sterling
  10. MLK Ave. and 13<sup>th</sup> St.
  11. MLK Ave. and Anacostia Drive (study impact of week end traffic from park events)
  12. MLK Ave. and Sumner Rd.
- Mechanical/continuous vehicle volume, speed and classification survey at two locations within the study area, covering a two-week period.
- Travel time and delay studies within the study area, during the weekday morning and afternoon peak periods, as well as during the Saturday and Sunday 10 am - 2 pm peak period.
- Generalized origin-destination observations at key portal points specifically at the intersection of 13<sup>th</sup> St. and Good Hope Rd., MLK Ave. and Howard Rd. and Firth Sterling and Good Howard Rd.
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- Parking inventory of existing off-street and on-street parking and off-street parking as recommended in proposed development projects. The consultants shall also conduct a parking demand management study to estimate future parking needs for the study area.
- Queuing observation of traffic along the major corridors of the study area.
- Number and type of truck traffic occurring on the major corridors of the study area.
- Investigate bus, vehicle, bicycle and pedestrian access to the Anacostia Metro Station, including current bus queuing practices, and loading and unloading locations and practices.

- Conduct pedestrian and bicycle counts within the study area and assess pedestrian and bicycle movement needs. Review intersections for ADA compliance.
- Review census data regarding automobile ownership and commuter data within the study area.
- Investigate mass transit service delivery, including frequency of use.
- Investigate bus service throughout the study area, including location of bus stops, bus routes, and general ridership information (WMATA bus services).
- Investigate potential traffic impacts on the safety of pedestrians of the proposed developments throughout the Anacostia neighborhood, especially the potential impact on traffic and safety issues specifically along MLK Ave. and at the intersections of 13<sup>th</sup> Street and Good Hope Road. , MLK Ave. and Howard Rd. and Firth Sterling and Good Howard Rd., and other development outside the study area but on major corridors.
- Investigate current truck traffic in the study area and the potential truck traffic impacts following build out of development.
- Review and comment on transportation management plans related to all construction activities planned in the study area.
- Examine alternative streetscape design concepts that reflect the historic nature of the Anacostia Historic District, including concept designs prepared by the AEDC.
- Prepare a brief report summarizing findings of Task #2.

Task #2 to be completed Week 8

### **Task 3: Public Meeting #2**

The contractor will conduct a public meeting to review transportation data collected in Task #2 and obtain comments on preliminary short and long-term transportation options from ANC 8 A, 8B, 8C, 8D, 8E Ward 8 Councilmember Sandy Allen, the Anacostia Economic Development Corporation (AEDC) community groups and other stakeholders in the study area.

Task #3 to be completed Week 10

### **Task: 4 Short-term Options**

The contractor will analyze the current and projected future vehicular, transit, bicycle and pedestrian transportation conditions and identify short-term options which could be implemented within (12) months after contract completion to improve mobility, safety, provide adequate parking and reduce congestion, such as traffic control measures, traffic calming measures, improved signage, signalization, channelization, etc. The contractor shall also provide recommendations to improve transit connections with the Anacostia Metrorail station and improve bicycle and pedestrian access through the study area. The contractor shall also develop parking demand management policies to minimize demand for parking facilities and encourage shared use of parking facilities by residents, employees and customers. Also, the contractor shall provide a description of proposed policies and guidelines regarding the management of construction related traffic. The contractor shall prepare a brief report summarizing their findings and recommended short-term improvements. As part of this analysis, the contractor will calculate the impact of each proposed improvement on mobility, safety, and level of service of the major corridor within the study area. The contractor shall also analyze average delays, queues and travel times along the corridor both with and without the recommended short-term options using a Synchro software-modeling program. Contractor will analyze opportunities for improving efficiency and safety of truck traffic including policies as well as infrastructure improvements.

Task #4 to be completed Week 12

### **Task 5: Long-term Options**

The contractor will analyze the current and projected future transportation needs and identify long-term options to improve mobility, safety and reduce congestion, for all modes of transportation, that would take longer than 12 months to implement after contract completion. The contractor shall also identify methods of improving pedestrian, transit and bicycle connections to the Anacostia Metrorail Station. The contractor shall also provide recommendations related to on and off-street parking, including recommendations for new parking facilities and parking demand management strategies to ensure optimal use of proposed parking on and off-street parking facilities. The contractor shall prepare a description of proposed light rail services connecting the Anacostia Historic District to the Anacostia Metrorail Station and other key destinations. The contractor shall also prepare a written description of proposed streetscape elements to be used on the Martin Luther King, Jr. Avenue and Good Hope Road corridors and adjacent streets. The contractor shall prepare a brief report summarizing their findings and recommended long-term improvements. As part of this analysis, the contractor will calculate the impact of each proposed improvement on mobility, safety, and level of service for all modes of transportation. The contractor shall also analyze average delays, queues and travel times along the major corridors both with and without the recommended long-term options using a Synchro software-modeling program. Contractor will analyze opportunities for improving efficiency and safety of truck traffic including policies as well as infrastructural improvements. The contractor shall provide visual maps and three-dimensional drawings illustrating conceptual designs for proposed light rail and streetscape enhancements.

Task #5 to be completed Week 12

### **Task 6: Draft Report**

The contractor will prepare a draft report of findings and recommendations regarding transportation and safety improvements from Tasks 2, 3, 4 and 5 including transportation policies, parking demand management policies, and physical improvements to the transportation infrastructure and proposed light rail and streetscape improvements. The report shall also include budget estimates and schedules for recommended short and long-term improvements. The contractor shall make 30 copies and distribute them to District Agencies, Anacostia neighborhood associations, particularly, Advisory Neighborhood Commissions (ANC) 8A, 8B, 8C, 8D and 8E, Sandy Allen (Ward 8 City Member) office, the AEDC, Federal agencies, other local agencies and stakeholder groups.

Task #6 to be completed Week 14

### **Task 7: Public meeting # 3**

The contractor will conduct a public meeting to review draft findings and recommendations and obtain final comments from Task #6 with ANC 8A, 8B, 8C, 8D, and 8E, Ward 8 Councilmember Sandy Allen, community groups and other stakeholders in the study area and obtain comments.

Task #7 to be completed Week 16

### **Task 8: Final Report**

The contractor shall incorporate comments from the public meetings, the District and Federal agencies into a final report, including budget estimates and schedules for recommended short and long term improvements, and make 30 copies available to District, ANC's 8A, 8B, 8C, 8D, 8E, Ward 8 Councilmember Sandy Allen, federal agencies, and stakeholder groups.

Task #8 to be completed Week 18

### **Task 9: Public Meeting # 4**

The contractor will conduct a final public meeting to review the final report with the ANC, community groups and stakeholders.

Task #9 to be completed Week 20



## **Project Deliverables**

- Detailed scope of work and study schedule and project budget.
- Draft report on findings and preliminary recommendations for short-term and long-term improvements
- Draft report of short-term and long-term improvements
- Final report of short-term and long-term improvements
- Visual aids including maps or aerial photos of study area as needed
- Monthly progress reports during the contract period.
- 3 point perspective drawings illustrating the proposed study area showing light rail and Anacostia streetscape enhancement concept design
- 30 Hard copies and 1 Electronic Copy of the draft and final report.

## **Coordination**

Consultant will work closely with the DDOT Transportation Policy and Planning Administration, Traffic Services Administration, the Advisory Neighborhood Commission, AEDC, other community groups, stakeholders, the DC Office of Planning and National Capital Revitalization Corporation (NCRC).

## **Key Dates/Schedule**

Week 2: Conduct a scoping meeting with Advisory Neighborhood Commission 8A, 8B, 8C, 8D, 8E, Ward 8 Councilmember Sandy Allen.

Week 8: Determine existing traffic volumes and level of service for roadway segments within the study area. Identify turning motions at key intersections.

Week 12: Identify short-term and long-term improvements to improve mobility, safety and reduce congestion for all modes of transportation.

Week 14: Draft Report

Week 16: Public Meeting

Week 18/20: Final Report and Public Meeting